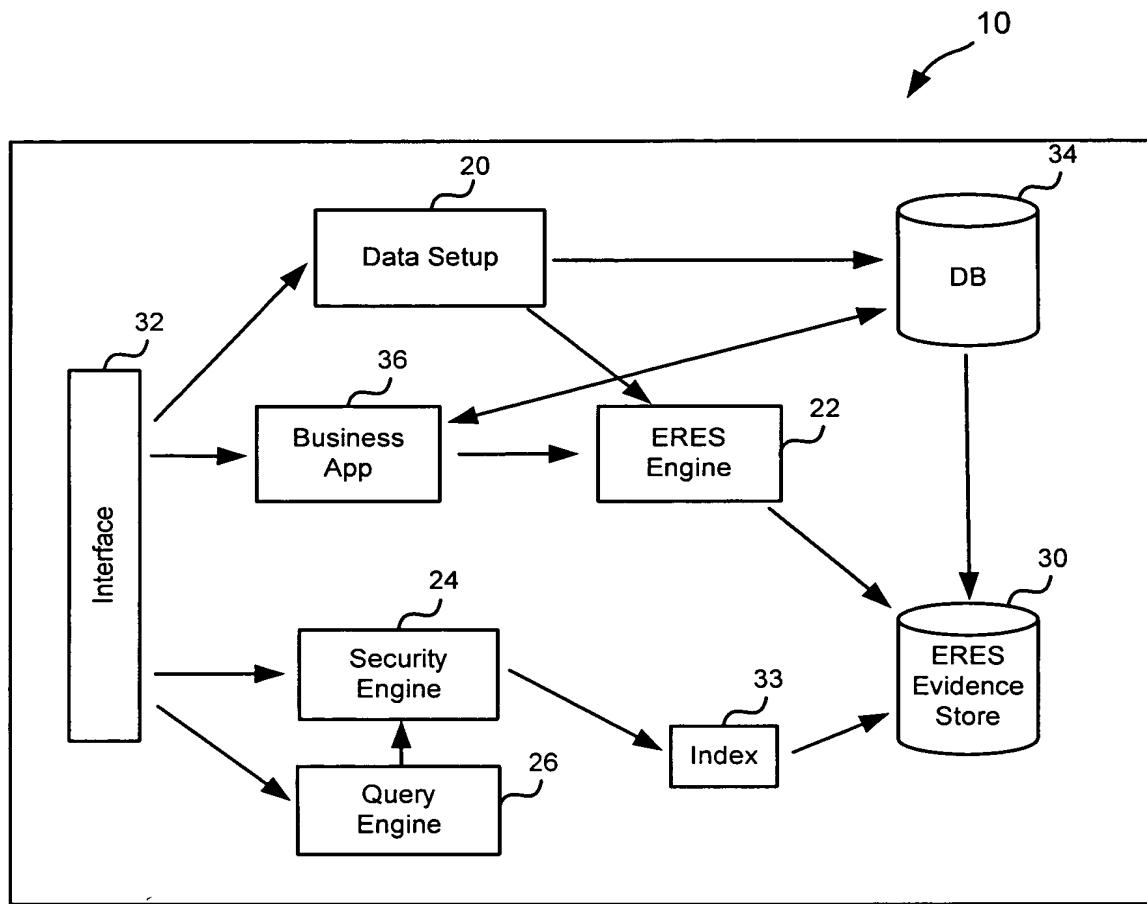


**Fig. 1A**



*Fig. 1B*

30a

Name	Datatype	Length	Mandatory	Comments
DOCUMENT_ID	NUMBER		Yes	Unique document id
PSIG_XML	CLOB	(4000)		XML document
PSIG_DOCUMENT	CLOB	(4000)		Electronic record as seen by user
PSIG_DOCUMENTFORMAT	VARCHAR2	(100)		Format of the Document
PSIG_TIMESTAMP	DATE			Timestamp when the document was requested
PSIG_TIMEZONE	VARCHAR2	(240)		Time Zone the document was initiated
DOCUMENT_REQUESTER	VARCHAR2	(240)		Document requester
PSIG_STATUS	VARCHAR2	(32)		Status of the document (ERROR, PENDING, COMPLETE)
PSIG_SOURCE	VARCHAR2	(32)		Source of the Document
EVENT_NAME	VARCHAR2	(80)		Event associated to the document
EVENT_KEY	VARCHAR2	(240)		Event instance identifier
PRINT_COUNT	NUMBER			Number of time document requested from printing
CREATION_DATE	DATE			WHO Column
CREATED_BY	NUMBER			WHO Column
LAST_UPDATE_DATE	DATE			WHO Column
LAST_UPDATED_BY	NUMBER			WHO Column
LAST_UPDATE_LOGIN	NUMBER			WHO Column

30b

Name	Datatype	Length	Mandatory	Comments
SIGNATURE_ID	NUMBER			Signature ID
DOCUMENT_ID	NUMBER			Document Id Refers EDR_PSIG_DOCUMENTS
EVIDENCE_STORE_ID	NUMBER			Evidence Store Id if the signature are present in Server Tech Storage
USER_NAME	VARCHAR2	(100)		User name who signed the Document
USER_RESPONSE	VARCHAR2	(100)		User Response
SIGNATURE_TIMESTAMP	DATE			Signed Time and Date
SIGNATURE_TIMEZONE	VARCHAR2	(240)		Signature Time Zone
SIGNATURE_STATUS	VARCHAR2	(32)		Signature Status (PENDING, COMPLETE, ERROR)
CREATION_DATE	DATE			WHO Columns
CREATED_BY	NUMBER			WHO Column
LAST_UPDATE_DATE	DATE			WHO Column
LAST_UPDATED_BY	NUMBER			WHO Column
LAST_UPDATE_LOGIN	NUMBER			WHO Column

Fig. 2

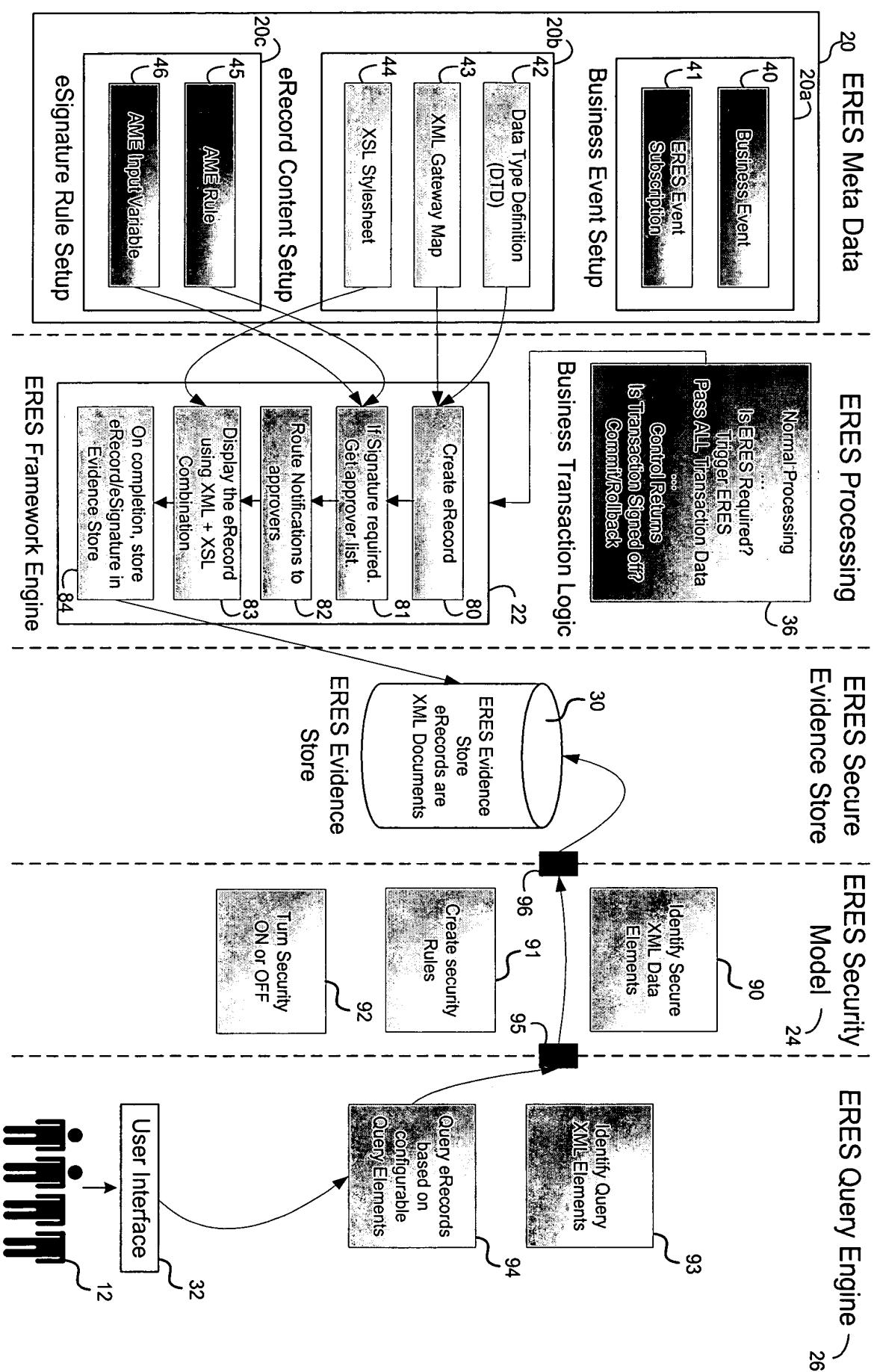


Fig. 3

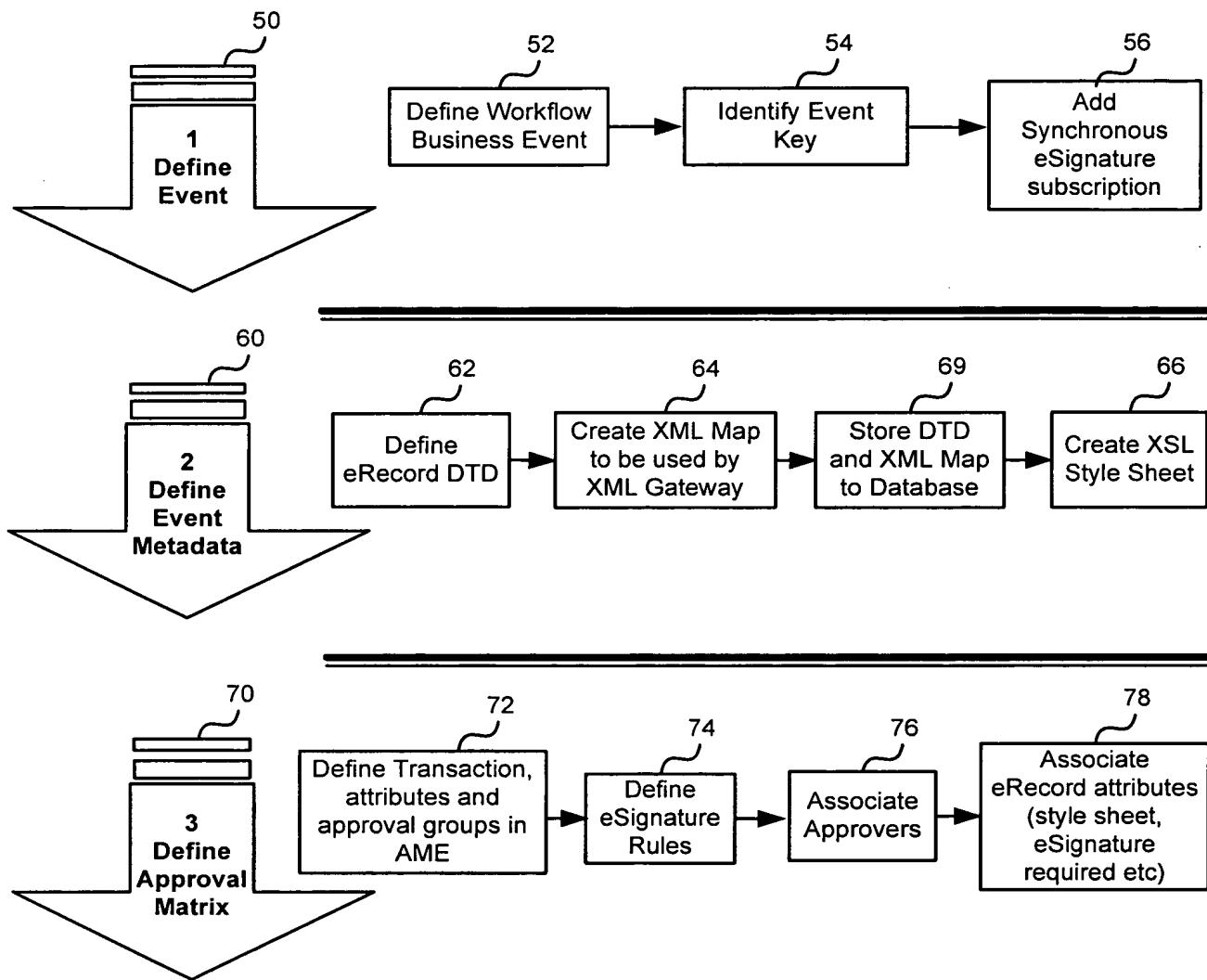


Fig. 4

+

80

**Edit Event** [?]

ORACLE Database

Name  81

Display Name  82

Description  83

Status  84

Generate Function

Owner Name

Owner Tag  85

Submit Cancel

86

**Fig. 5**

90

Rule	Attribute	Approver(s)
91 If PLANT = "Plant 1" And PRODUCT = "Cyanide"	93 eRecord = Yes eSignature = Yes eRecord Style Sheet = StyleSheet12.X51	94 James Dunn and Mark Arthur
92 If PLANT = "Plant 1"	93 eRecord = Yes eSignature = No eRecord Style Sheet = NULL	94 David Anderson

**Fig. 6**

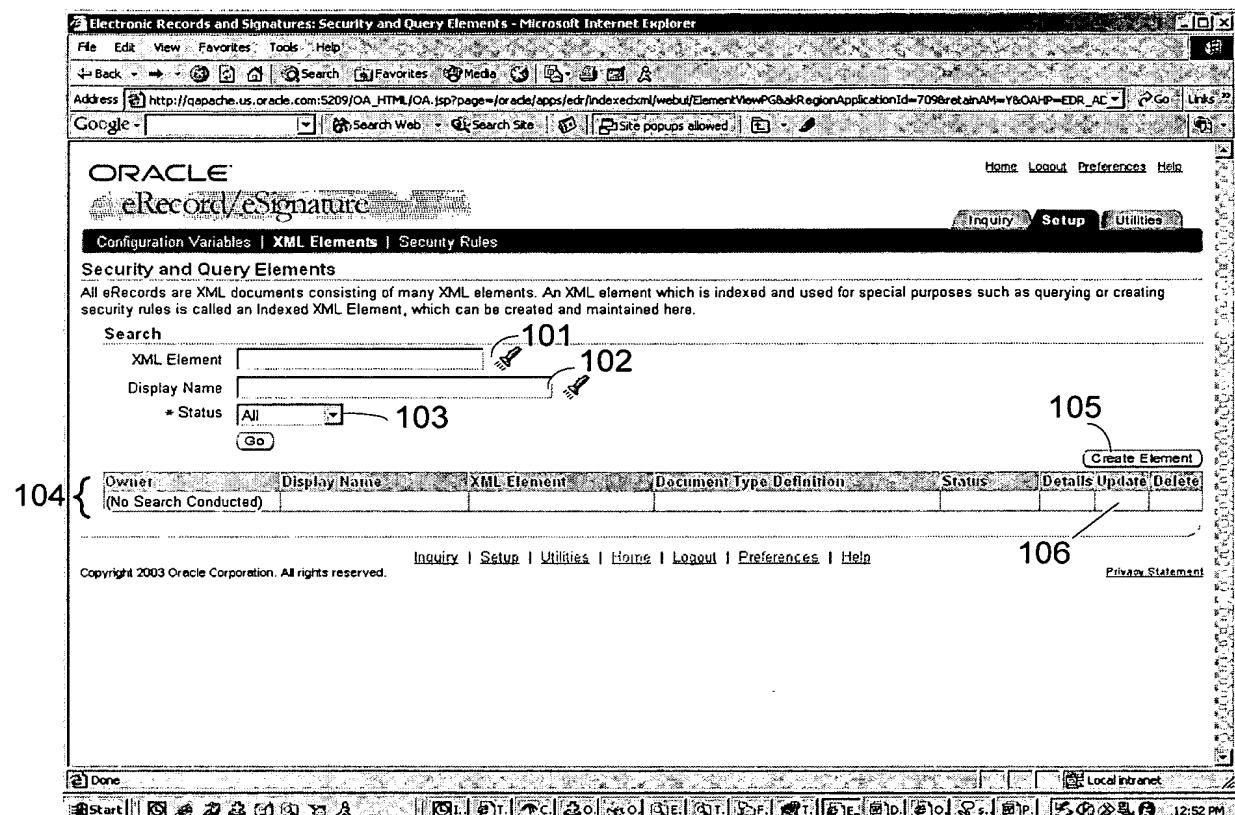


Fig. 7

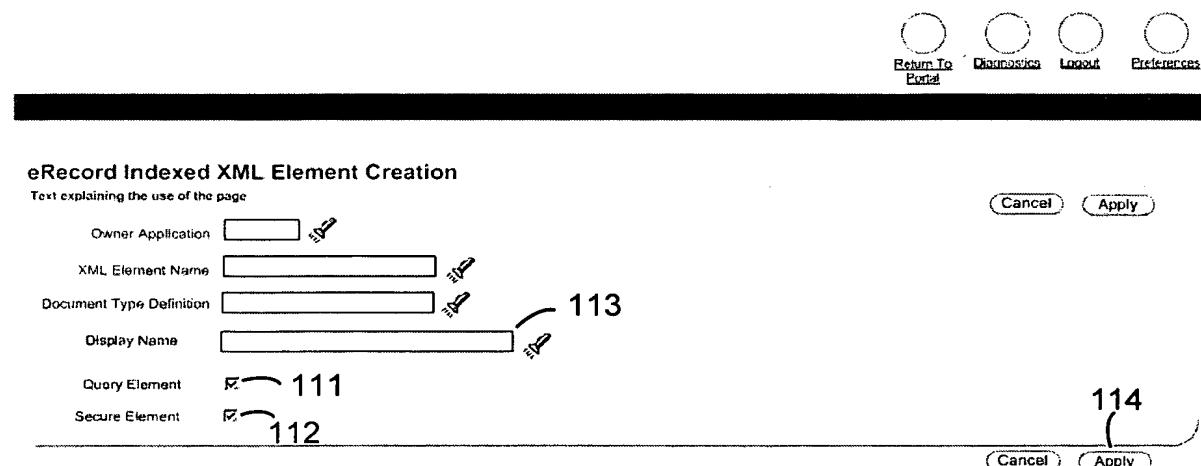


Fig. 8

33a

Name	Null?	Type	Description
ELEMENT_ID	NOT NULL	NUMBER	Surrogate Primary Key.
XML_ELEMENT	NOT NULL	VARCHAR2(30)	XML element identified as being searchable
DTD_ROOT_ELEMENT		VARCHAR2(30)	Root element of the XML.
APPLICATION_ID	NOT NULL	NUMBER	Application ID of the application owning the query element.
INDEX_SECTION_NAME	NOT NULL	VARCHAR2(30)	Name of the section created in the index for the query element
INDEX_TAG	NOT NULL	VARCHAR2(64)	Tag used to create the section in the index. Unique Constraint.
STATUS	NOT NULL	CHAR(1)	Status of the query element. It can be I(ndexed) or N(ot Indexed).
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

33b

Name	Null?	Type	Description
ELEMENT_ID	NOT NULL	NUMBER	Partial Primary key.
LANGUAGE	NOT NULL	VARCHAR2(4)	Partial Primary key. Language used for translatable columns
SOURCE_LANG		VARCHAR2(4)	Source language
DISPLAY_NAME	NOT NULL	VARCHAR2(100)	Display name of the query element. This would be visible to end users.
DESCRIPTION		VARCHAR2(100)	Description of the query element.
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

33c

Name	Null?	Type	Description
USAGE_ID	NOT NULL	NUMBER	Surrogate primary key
ELEMENT_ID	NOT NULL	NUMBER	XML element used in creating the security rule.
ELEMENT_USAGE	NOT NULL	CHAR(1)	The usage of the XML element. It can be Q(ueue) or S(ecure)
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

Fig. 9

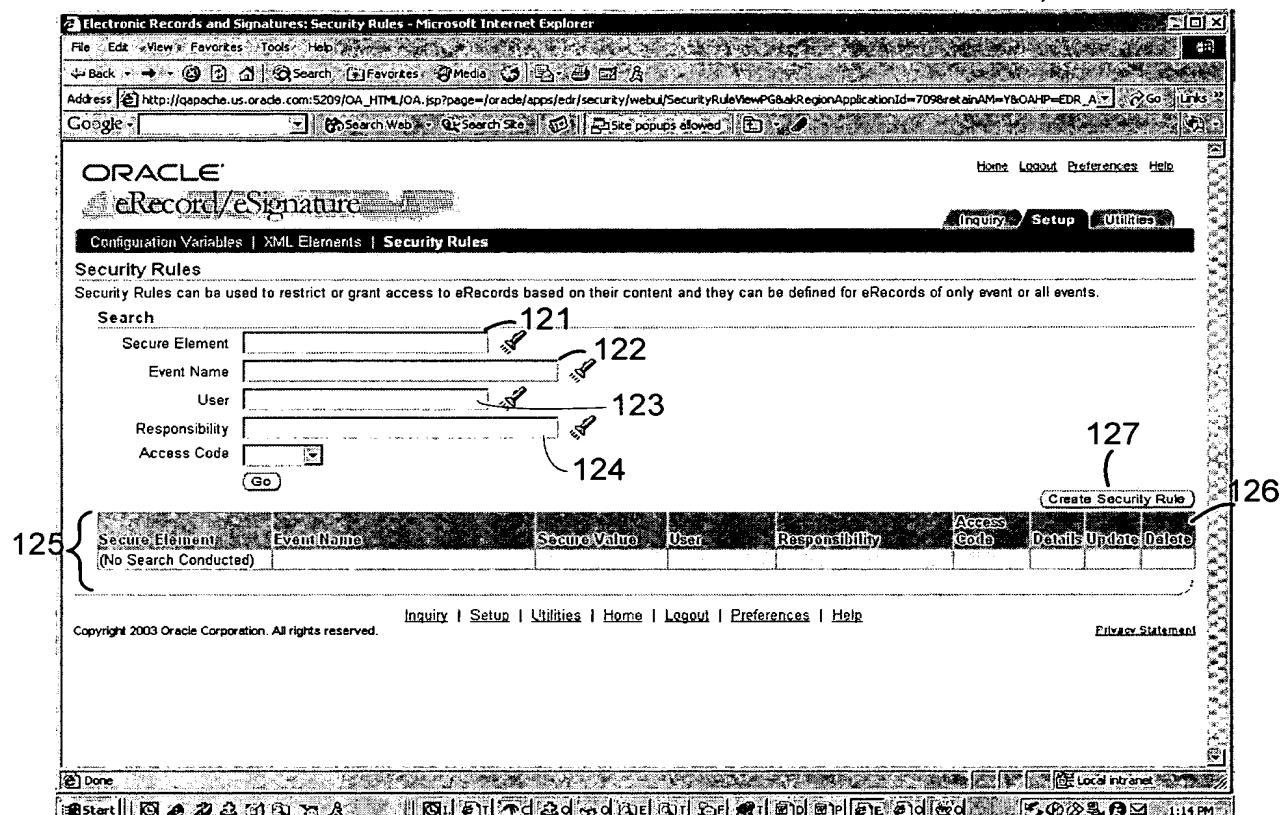


Fig. 10

Name	Null?	Type	Description
RULE_ID	NOT NULL	NUMBER	Surrogate primary key
ELEMENT_ID	NOT NULL	NUMBER	XML element used in creating the security rule.
EVENT_NAME		VARCHAR2(240)	Business event name used in creating the security rule.
SECURE_VALUE	NOT NULL	VARCHAR2(100)	Value secured by the security rule
USER_ID		NUMBER(15)	User ID of the APPS user for whom security is created
RESPONSIBILITY_ID		NUMBER(15)	Responsibility ID of the APPS responsibility for which security is created
ACCESS_CODE	NOT NULL	CHAR(1)	Access code can be G(rant) or R(estrict)
START_DATE	NOT NULL	SYSDATE	Start date for the rule
END_DATE		SYSDATE	End date for the rule
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

Fig. 11

eRecord Security Rule Creation

Text explaining the use of the page

Secure Element  131

Event Name  132

Secure Value  133

User  134

Responsibility  135

Access Code  Grant 136

Start Date  137

End Date  138

Cancel Apply

Return To Portal

130

Fig. 12

Search Documents

Search

Simple Advanced 144

Event Name 145

From Date 146

To Date 147

Signer 148

Find 149

Clear

Cancel

Events

Event 150

Identifier 151

Timestamp 152

Timezone 153

Print 154

Print

140

Fig. 13

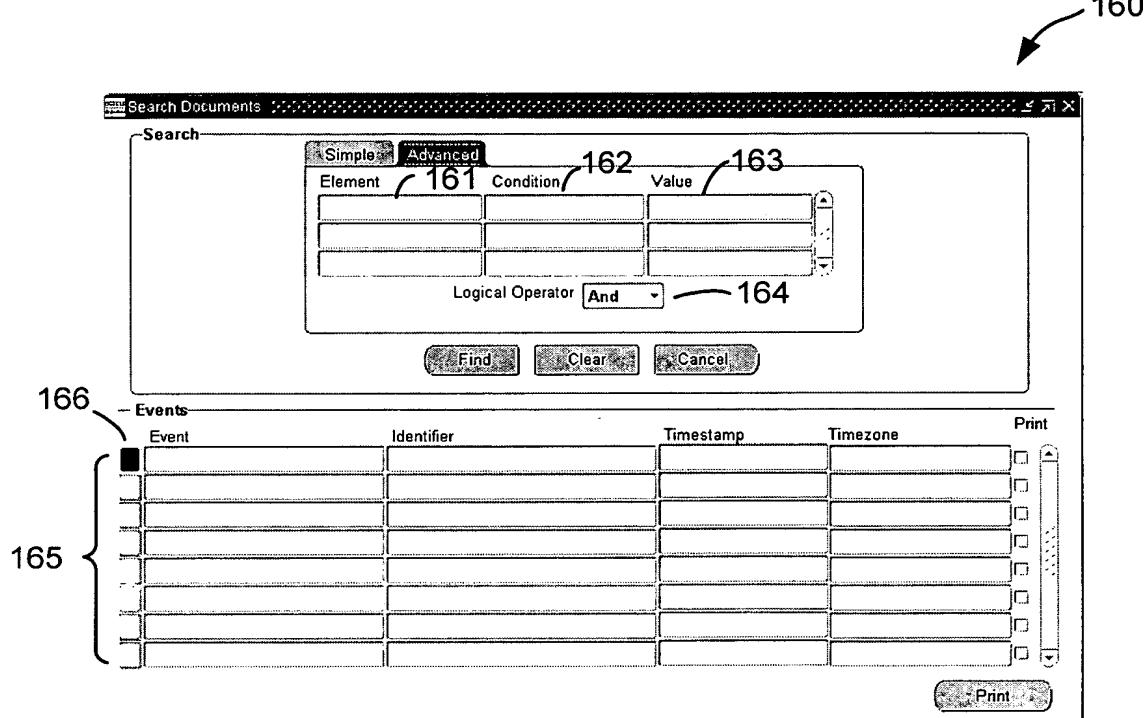


Fig. 14

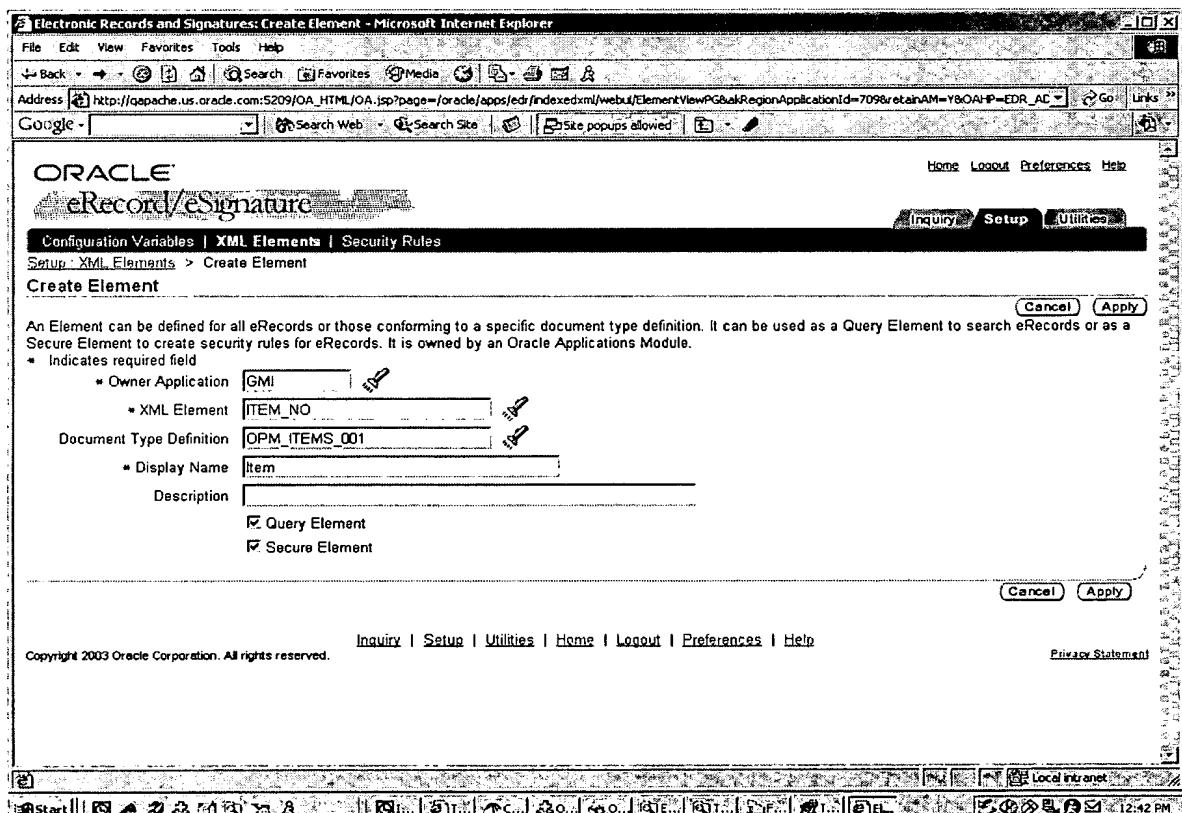


Fig. 15

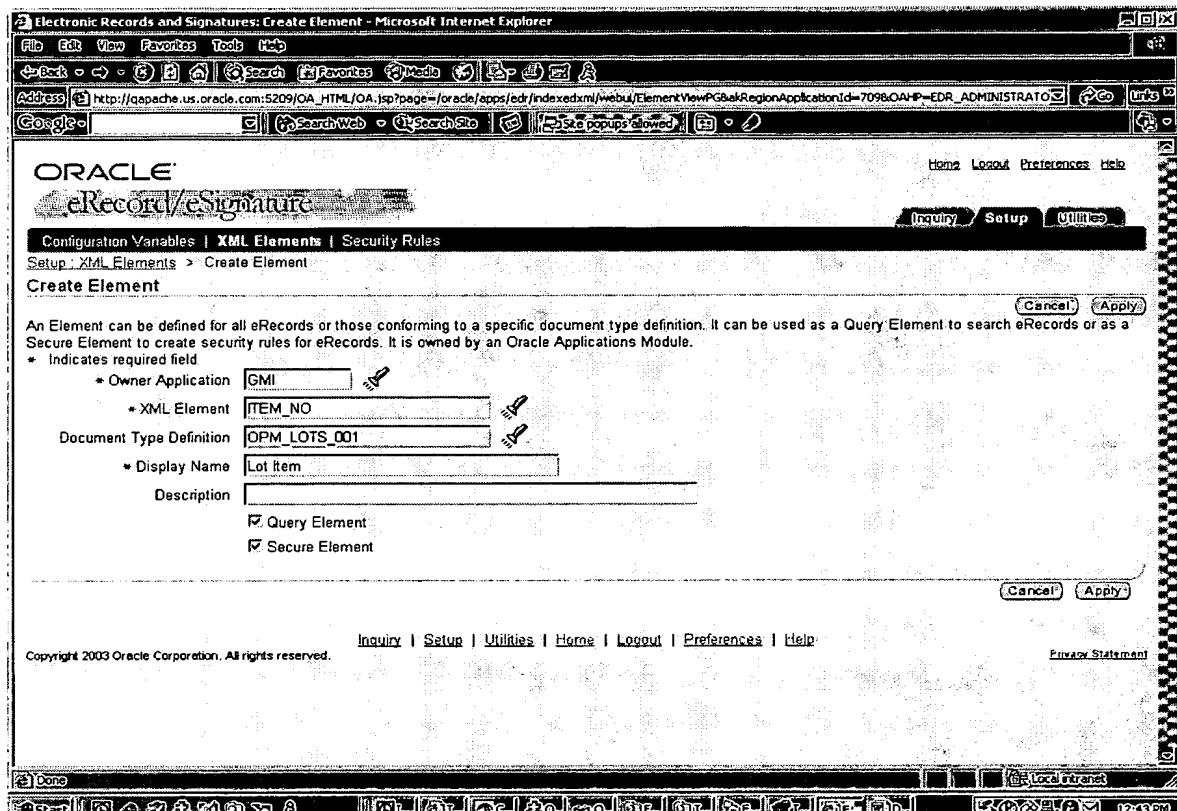


Fig. 16

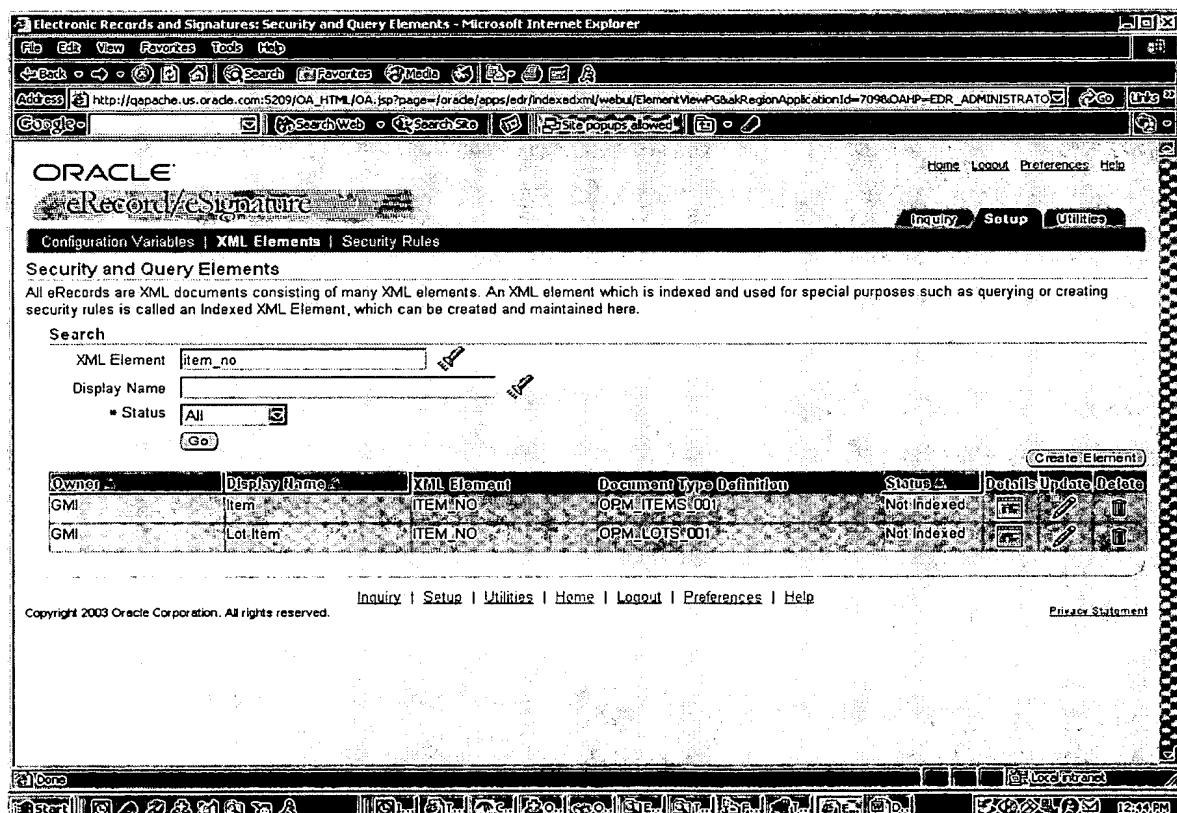


Fig. 17

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Oracle Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: [http://apache.us.oracle.com:5209/OA\\_HTML/OA.jsp?stgRegionCode=EDR\\_ER0\\_FRT\\_PAG&stgRegionApplicationId=709&language\\_code=US&ef\\_lidet=ZG88C9D1FCA16CB85C6E](http://apache.us.oracle.com:5209/OA_HTML/OA.jsp?stgRegionCode=EDR_ER0_FRT_PAG&stgRegionApplicationId=709&language_code=US&ef_lidet=ZG88C9D1FCA16CB85C6E)

Google

Signer Name:

Transaction Status:  Show Successful Transactions

Date From:   (example: 31-Dec-2000)

Date To:

[▼ Hide More Search Options](#)

- \* Indicates required field

Specify additional search criteria and values to filter the eRecords displayed in the results table.

\* Show eRecords when  All search criterion are met

Criterion	Value
Lot Item	171 - 173 4101 172

Time Zone: America/Los\_Angeles

Select eRecord(s) and...  (Print)

Select All | Select None

Select	Event Name	Record ID	Identifier	Identifier Value	Event Date	Status	Related eRecords
<input type="checkbox"/>	GMI ERES Lot Creation	25	Item Number - Lot Number - Sublot	4101-SKARIMIS-1	05-Aug-2003 06:42:35	Complete	<input checked="" type="checkbox"/>
<input type="checkbox"/>	GMI ERES Lot Creation	23	Item Number - Lot Number - Sublot	4101-SKARIMIS-1	05-Aug-2003 06:41:55	Rejected	<input checked="" type="checkbox"/>
<input type="checkbox"/>	GMI ERES Lot Creation	21	Item Number - Lot Number - Sublot	4101-SKARIMIS-1	05-Aug-2003 06:40:06	Complete	<input checked="" type="checkbox"/>

[Home](#) | [Logout](#) | [Preferences](#) | [Help](#)

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Privacy Statement

**Fig. 18**

-180

Grade Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Favorites Home Stop Refresh

Address: http://apache.us.oracle.com:5209/OA\_HTML/OA.jsp?akRegionCode=EDR\_ERQ\_FRST\_PAGE&akRegionApplicationId=709&language\_code=US&rf\_bicket=2GB399-C67F0860183902

Google Search Web Search Site

Search

Event Name:

eRecord ID:

Signer Name:

Transaction Status:

Date From:  (example: 31-Dec-2000)

Date To:

Hide More Search Options

- Indicates required field
- Show additional search criteria and values to filter the eRecords displayed in the results table.
- Show eRecords when  All search criterion are met

Criterion	Value
Item	4101

Time Zone: America/Los Angeles

Select eRecord(s) and ...

Select All  Select None

Selected Event Name	eRecord ID	Identifier	Identifier Value	Event Date	Status	Related eRecords
<input type="checkbox"/> GMERESItemCreation	335	Item Number	CL-TEST-2	29-Aug-2003 13:07:30	Complete	<input type="button" value="View"/>

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Privacy Statement

(a) Done

*Fig. 19*

Electronic Records and Signatures: Security Rule Definition - Microsoft Internet Explorer

File Edit View Favorites Tool Help

Address http://qepache.us.oracle.com:5209/oa\_HTML/oa.jsp?page=/oracle/apps/eds/security/webui/SecurityRuleViewPG&bkRegionApplicationId=709&regionAM=YB0AHP=EDR\_A

ORACLE eRecords eSignature

Configuration Variables | XML Elements | Security Rules

Setup - Security Rules > Create Security Rule

Create Security Rule

Timezone

Select a Secure Element and specify the value for the element that needs to be secured. Also, select a User or Responsibility for which the rule is being created and Grant or Restrict access. A security rule can be created for all eRecords or only those created for a specific business event.

\* Indicates required field

Secure Element

Event Name

Secure Value

User

Responsibility

Access Code

Start Date    
(example: 31-Dec-2000 20:45:00)

End Date

Inquiry | Setup | Utilities | Home | Logout | Preferences | Help

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Local Intranet

Fig. 20

Oracle Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer

File Edit View Favorites Tool Help

Address http://qepache.us.oracle.com:5209/oa\_HTML/oa.jsp?bkRegionCode=EDR\_ERQ\_FRST\_PAGE&bkRegionApplicationId=709&language\_code=US&f\_ticket=ZG1A90ABA903

ORACLE eRecords eSignature

Evidence Store

The Evidence Store stores all the Electronic Records (eRecords) created for an organization. Each eRecord contains business transaction details, approver information and in some cases approver signatures.

Search

Event Name

eRecord ID

Signer Name

Transaction Status

Date From    
(example: 31-Dec-2000)

Date To

Hide More Search Options

\* Indicates required field

Show eRecords when: All search criterion are met

Criterion	Value
Item	4101

Select Event Name	eRecord ID	Identifier	Identifier Value	Event Date	Status	Related eRecords
(No Search Conducted)						

Local Intranet

Fig. 21